

10624632

	Y	Z	X	Y	Z	X	Y	Z
6	-0.170	0.375	-0.716	0.281	0.438	-0.304	0.133	0.500
1	0.058	0.375	-0.314	0.092	0.438	-0.087	-0.014	0.500
2	0.228	0.375	0.131	-0.202	0.438	-0.455	0.222	0.500
8	-0.072	0.375	-0.552	0.212	0.438	0.120	-0.176	0.500
6	0.134	0.375	-0.087	-0.047	0.438	-0.231	0.086	0.500
4	-0.221	0.375	-0.393	0.134	0.438	-0.017	-0.067	0.500
0	0.017	0.375	-0.161	0.001	0.438	-0.379	0.179	0.500
1	0.199	0.375	0.059	-0.149	0.438	0.187	-0.232	0.500
5	-0.120	0.375	-0.634	0.248	0.438	-0.158	0.036	0.500
2	0.097	0.375	-0.237	0.048	0.438	-0.532	0.264	0.500
5	0.253	0.375	0.616	0.317	0.438	0.052	-0.121	0.500
6	0.354	0.375	0.757	0.091	0.438	0.568	0.352	0.500
1	-0.026	0.375	0.516	0.464	0.438	0.791	-0.025	0.500
7	0.204	0.375	0.892	-0.140	0.438	0.659	0.202	0.500
1	-0.181	0.375	0.664	0.242	0.438	0.875	-0.178	0.500
1	0.428	0.375	0.803	0.014	0.438	0.521	0.425	0.500
1	0.051	0.375	0.567	0.391	0.438	0.748	0.051	0.500
7	0.279	0.375	0.935	-0.217	0.438	0.614	0.277	0.500
8	-0.103	0.375	0.711	0.167	0.438	0.833	-0.101	0.500
0	0.501	0.375	0.465	0.537	0.438	0.473	0.498	0.500
6	0.128	0.375	0.848	-0.063	0.438	0.704	0.127	0.500
7	-0.274	0.375	0.337	-0.371	0.438	0.252	-0.290	0.500
9	-0.443	0.375	0.269	-0.313	0.438	0.443	-0.471	0.500
9	-0.329	0.375	0.404	-0.430	0.438	0.317	-0.349	0.500
9	-0.385	0.375	0.201	-0.257	0.438	0.380	-0.410	0.500
5	-0.563	0.375	0.533	-0.552	0.438	0.564	-0.597	0.500
7	-0.417	0.375	0.978	-0.295	0.438	0.997	-0.411	0.500
1	-0.625	0.375	0.659	-0.678	0.438	1.076	-0.567	0.500
3	-0.338	0.375	1.103	-0.531	0.438	0.624	-0.661	0.500
7	-0.502	0.375	0.469	-0.490	0.438	0.957	-0.333	0.500
6	-0.687	0.375	1.020	-0.374	0.438	0.504	-0.533	0.500
9	-0.259	0.375	0.596	-0.614	0.438	1.037	-0.489	0.500
3	-0.576	0.375	0.720	-0.743	0.438	0.682	-0.726	0.500
5	-0.656	0.375	1.062	-0.452	0.438	0.916	-0.256	0.500
7	-0.737	0.375	1.184	-0.689	0.438	1.115	-0.646	0.500
0	-0.497	0.375	1.144	-0.610	0.438	1.153	-0.724	0.500
4	-1.085	0.375	0.839	-0.875	0.438	0.852	-0.927	0.500
0	-0.751	0.375	0.955	-1.010	0.438	1.013	-1.133	0.500
5	-0.949	0.375	1.066	-1.148	0.438	0.740	-0.792	0.500
2	-0.816	0.375	0.780	-0.808	0.438	0.907	-0.995	0.500
5	-1.017	0.375	0.897	-0.942	0.438	1.066	-1.204	0.500
4	-0.882	0.375	1.011	-1.079	0.438	0.796	-0.859	0.500
8	-0.817	0.375	1.121	-1.219	0.438	0.960	-1.064	0.500
7	-1.223	0.375	1.379	-1.089	0.438	1.302	-1.041	0.500
9	-0.979	0.375	1.302	-0.929	0.438	1.191	-0.803	0.500
8	-1.141	0.375	1.417	-1.170	0.438	1.374	-1.200	0.500
2	-1.155	0.375	1.224	-0.769	0.438	1.265	-0.961	0.500
9	-0.898	0.375	1.341	-1.009	0.438	1.338	-1.121	0.500



*ITW*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

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For: AIRFOIL SHAPE FOR A TURBINE BUCKET

\* \* \* \* \*

November 17, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUBMISSION OF SUBSTITUTE POWER OF ATTORNEY**

Attached is an Exclusive Substitute Power of Attorney and Exclusive Prosecution

Hereafter by Assignee under 37 C.F.R. §§1.36, 3.71 and 3.73 in the above-identified  
patent application

Respectfully submitted,

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